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(54) **Putative Adrenomedullin receptor polypeptide**

(57) Putative Adrenomedullin Receptor polypeptides and polynucleotides and methods for producing such polypeptides by recombinant techniques are disclosed. Also disclosed are methods for utilizing Putative Adrenomedullin Receptor polypeptides and polynucleotides in the design of protocols for the treatment of infections such as bacterial, fungal, protozoan and viral infections, particularly infections caused by HIV-1 or HIV-2; pain; cancers; diabetes, obesity; anorexia; bulim-

ia; asthma; Parkinson's disease; acute heart failure; hypotension; hypertension; urinary retention; osteoporosis; angina pectoris; myocardial infarction; ulcers; asthma; allergies; benign prostatic hypertrophy; psychotic and neurological disorders, including anxiety, schizophrenia, manic depression, delirium, dementia, severe mental retardation and dyskinesias, such as Huntington's disease or Gilles de la Tourette's syndrome; and pre-eclampsia, among others and diagnostic assays for such conditions.



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PARTIAL EUROPEAN SEARCH REPORT

Application Number

which under Rule 45 of the European Patent Convention EP 98 30 6880
shall be considered, for the purposes of subsequent
proceedings, as the European search report

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	<p>DATABASE EMBL [Online] Accession Number U67784, 13 October 1996 (1996-10-13) OATES, E.L. ET AL.: "Coding and 3'-noncoding sequence of human RDC1, an orphan G protein-coupled receptor" XP002146895 * the whole document *</p> <p style="text-align: center;">--- -/--</p>	1-19	<p>C12N15/12 C12N5/10 C07K14/72 C07K16/28 C12Q1/68 A61K31/70 G01N33/50</p>
			<p>TECHNICAL FIELDS SEARCHED (Int.Cl.6)</p> <p>C07K</p>
<p>INCOMPLETE SEARCH</p> <p>The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC to such an extent that a meaningful search into the state of the art cannot be carried out, or can only be carried out partially, for these claims.</p> <p>Claims searched completely :</p> <p>Claims searched incompletely :</p> <p>Claims not searched :</p> <p>Reason for the limitation of the search:</p> <p style="text-align: center;">see sheet C</p>			
Place of search		Date of completion of the search	Examiner
MUNICH		22 September 2000	Morawetz, R
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

EPC FORM 1503 03 82 (P04007)



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EP 98 30 6880

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	<p>SREEDHARAN S P ET AL: "CLONING AND EXPRESSION OF THE HUMAN VASOACTIVE INTESTINAL PEPTIDE RECEPTOR" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES, vol. 88, no. 11, 1991, pages 4986-4990, XP002146889 1991 ISSN: 0027-8424 * the whole document *</p> <p>-& PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES, vol. 90, no. 19, 1 October 1993 (1993-10-01), page 9233 XP002146890 * the whole document *</p>	1-19	
			TECHNICAL FIELDS SEARCHED (Int.Cl.5)
X	<p>LAW NORMAN M ET AL: "Characterization of the G-protein linked orphan receptor GPRN1/RDC1." BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, vol. 201, no. 1, 1994, pages 458-465, XP002146891 ISSN: 0006-291X * page 459, paragraph 2; figures 1,2 *</p>	11	
Y	<p>KAPAS SUPRIYA ET AL: "Identification of an orphan receptor gene as a type 1 calcitonin gene-related peptide receptor." BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, vol. 217, no. 3, 1995, pages 832-838, XP002146892 ISSN: 0006-291X * the whole document *</p>	1-19	

Application Number

EPO FORM 1503 03.B2 (P04C10)

4



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INCOMPLETE SEARCH
SHEET C

Application Number
EP 98 30 6880

Although claims 12 and 13 are directed to a method of treatment of the human/animal body (Article 52(4) EPC), the search has been carried out and based on the alleged effects of the compound/composition.

Claim(s) searched completely:
1-11, 14, 15, 17, 19

Claim(s) searched incompletely:
12, 13

Claim(s) not searched:
16, 18

Reason for the limitation of the search:

Claims 16, 18 (completely) and 12, 13 (partially) relate to an agonist or antagonist of the Putative Adrenomedullin Receptor without giving a true technical characterization of these compounds. Moreover, no such specific compounds are defined in the application. In consequence, the scope of said claims is ambiguous and vague, and their subject-matter is not sufficiently disclosed and supported (Art. 83 and 84 EPC). A meaningful search over the whole of the claimed scope is thus impossible.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 98 30 6880

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

22-09-2000

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9924463 A	20-05-1999	US 5932445 A	03-08-1999
		AU 1309599 A	31-05-1999

EPO FORM F0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82